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**1 Identification of the substance/mixture and of the company/undertaking**

- **Product identifier**
- **Trade name:** SR-100
- **Application of the substance / the preparation** Support Filament for Stratasys®, Inc. FDM™ Modeler
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Stratasys, Inc. Tel +1 952 937 3000  
7665 Commerce Way Fax +1 952 937 0070  
Eden Prairie, MN 55344  
USA
  
- **In Europe:**  
  
C.S.B. GmbH Tel.: +49-2151-6520860  
Parkstraße 29 Fax: +49-2151-6520869  
D-47829 Krefeld E-Mail: info@csb-online.de  
Germany
- **Information department:** Product safety department.
- **Emergency telephone number:** see above

**2 Composition/information on ingredients**

- **Chemical characterization:** Mixtures
- **Description:**  
Mixture of:  
Acrylic polymers
- **Dangerous components:** Void

**3 Hazards identification**

- **Classification of the substance or mixture**
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC** Void
- **Classification system:**  
The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
- **Label elements**
- **Labelling according to EU guidelines:** Observe the general safety regulations when handling chemicals
- **Classification system**
- **NFPA ratings (scale 0-4)**

· **HMIS**

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#### 4 First aid measures

- **General information** Remove contaminated clothing.
- **After inhalation** Supply fresh air; consult doctor in case of complaints.
- **After skin contact**  
Wash with soap and water.  
After contact with the molten product, cool rapidly with cold water.  
Do not pull solidified product away from the skin.  
Call a doctor immediately.
- **After eye contact**  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing**  
Rinse mouth with water.  
Get medical advice/attention if you feel unwell.

#### 5 Firefighting measures

- **Suitable extinguishing agents**  
CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents** Water with full jet.
- **Special hazards arising from the substance or mixture**  
In case of fire, the following can be released:  
Smoke  
Carbon monoxide and carbon dioxide  
In certain fire conditions, traces of other toxic gases cannot be excluded.  
Aldehydes
- **Protective equipment:** Wear self-contained respiratory protective device.
- **Additional information**  
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

#### \* 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**  
Keep away from ignition sources  
Do not breathe dust.  
Avoid contact with eyes.
- **Environmental precautions:**  
Do not allow large quantities of product to reach sewage system or water bodies.
- **Methods and material for containment and cleaning up:**  
Pick up mechanically.  
Dispose of the collected material according to regulations.
- **Reference to other sections**  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

#### 7 Handling and storage

- **Handling**
- **Precautions for safe handling**  
Ensure good ventilation/exhaustion at the workplace.  
Do not breathe dust.  
Avoid contact with eyes.  
Make sure that all applicable workplace limits are observed.
- **Information about protection against explosions and fires:** Keep ignition sources away - Do not smoke.

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- **Storage**
- **Requirements to be met by storerooms and receptacles:**  
*Observe all local and national regulations for storage of water polluting products.*
- **Information about storage in one common storage facility:** *Not required.*
- **Further information about storage conditions:**  
*Store in cool, dry conditions in well sealed receptacles.*  
*Protect from humidity and water.*
- **Specific end use(s)** *No further relevant information available.*

## 8 Exposure controls/personal protection

- **Additional information about design of technical systems:** *No further data; see item 7.*
- **Components with limit values that require monitoring at the workplace:**  
*Observe all workplace limits for dust:*  
*TLV inhalable dust: 15 mg/m<sup>3</sup> OSHA*  
*TLV respirable dust: 5 mg/m<sup>3</sup> OSHA*
- **Additional information:** *The lists that were valid during the creation were used as basis.*
- **Personal protective equipment**
- **General protective and hygienic measures**  
*Avoid contact with the eyes.*  
*Avoid close or long term contact with the skin.*  
*Do not breathe dust.*  
*Wash hands before breaks and at the end of work.*
- **Breathing equipment:**  
*If all workplace limits are observed and good ventilation is ensured, no special precautions necessary.*
- **Protection of hands:** *Use heat resistant gloves when handling hot/molten product.*
- **Material of gloves**  
*The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.*
- **Penetration time of glove material**  
*The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.*
- **Eye protection:** *Safety glasses*
- **Body protection:** *Wear heat-resistant protective clothing when handling hot/molten product.*

## 9 Physical and chemical properties

- **General Information**
- **Appearance:**

<b>Form:</b>	Filament
<b>Color:</b>	Brown
- **Odor:** *Weak, characteristic*
- **Odor threshold:** *no data available*
- **pH-value:** *Not applicable*
- **Change in condition**

<b>Melting point/Melting range:</b>	<i>no data available</i>
<b>Boiling point/Boiling range:</b>	<i>no data available</i>
- **Flash point:** *no data available*
- **Ignition temperature:** *> 400°C (> 752 °F)*
- **Decomposition temperature:** *> 200°C (> 392 °F)*
- **Auto igniting:** *Product is not selfigniting.*

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· **Danger of explosion:** *Product does not present an explosion hazard.*

· **Explosion limits:**

**Lower:** *Not applicable*

**Upper:** *Not applicable*

· **Oxidizing properties** *not classified as oxidising*

· **Vapor pressure:** *Not determined*

· **Density:** *Not determined*

· **Solubility in / Miscibility with**

**Water:** *insoluble in cold water  
soluble in hot water*

· **Viscosity:**

**dynamic:** *Not applicable*

**kinematic:** *Not applicable*

· **Other information** *No further relevant information available.*

## 10 Stability and reactivity

· **Thermal decomposition / conditions to be avoided:**

*No decomposition if used and stored according to specifications.*

*Avoid impact, friction, heat, sparks, electrostatic charges.*

*Temperature over 200 °C*

· **Incompatible materials:** *No further relevant information available.*

· **Hazardous decomposition products:**

*Carbon monoxide and carbon dioxide*

*Possible in traces.*

*Hydrocarbons*

*Nitrogen oxides (NO<sub>x</sub>)*

*Organic acids*

*Acrylmonomers, Acrylcompounds*

*Alcohols*

*Aldehyde*

## 11 Toxicological information

· **Acute toxicity:**

· **Primary irritant effect:**

· **on the skin:** *Dust particles may mechanically irritate the skin.*

· **on the eye:** *Dust particles may mechanically irritate the eye.*

· **Sensitization:** *No sensitizing effects known.*

· **Additional toxicological information:**

*When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.*

## 12 Ecological information

· **Aquatic toxicity:** *No further relevant information available.*

· **Persistence and degradability** *No further relevant information available.*

· **Degree of elimination:** *no data available*

· **Behavior in environmental systems:**

· **Bioaccumulative potential** *No further relevant information available.*

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- **Additional ecological information:**
- **General notes:** Water hazard class 1 (Self-assessment) (German regulation): slightly hazardous for water.

### 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation** Disposal must be made according to local/official regulations.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to local/official regulations.

### 14 Transport information

- |  |  |
|--|--|
| · <b>UN-Number</b>   | Void   |
| · <b>DOT, ADR, ADN, IMDG, IATA</b>   | Void   |
| · <b>UN proper shipping name</b>   | Void   |
| · <b>DOT, ADN, IMDG, IATA</b>  | Void   |
| · <b>ADR</b>   | Void   |
| · <b>Transport hazard class(es)</b>  | Void   |
| · <b>DOT, ADR, ADN, IMDG, IATA</b>   | Void   |
| · <b>Class</b>   | Void   |
| · <b>Packing group</b>   | Void   |
| · <b>DOT, ADR, IMDG, IATA</b>  | Void   |
| · <b>Special precautions for user</b>  | Not applicable.                                      |
| · <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b> | Not applicable.                                      |
| · <b>Transport/Additional information:</b>                                       | Not dangerous according to the above specifications. |

### 15 Regulatory information

- |  |   |
|--|---|
| · <b>TSCA (Toxic Substances Control Act)</b> |   |
| 9003-56-9                                    | Acrylonitrile/butadiene/styrene copolymer |
| 8042-47-5                                    | White mineral oil (petroleum)             |

- **Carcinogenicity categories**

- **MAK (German Maximum Workplace Concentration)**

None of the ingredients is listed.

- **Markings according to EU guidelines:**  
Observe the general safety regulations when handling chemicals

- **National regulations**

- **Water hazard class:**  
Water hazard class 1 (Self-assessment) (German regulation): slightly hazardous for water.

### 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

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**· Department issuing MSDS:**

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**· \* Data compared to the previous version altered.**

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